

ABSTRACT

Disclosed are a head member having an ink-repellent film high in ink repellency, a method of ink-repellent treatment for the head member and an apparatus for the same. A head member (15) including a plurality of ejection ports (14) to eject ink comprises an ink-repellent film (25) on a surface having the ejection ports (14) open thereon, the ink-repellent film made of flourocarbon resin subjected to plasma polymerization on the surface. An ink-repellent treatment method includes the steps of: disposing the head member (15) in a chamber (31) maintained in a vacuum state; introducing gaseous linear perfloro carbon as a material of an ink-repellent film into the chamber (31); and depositing an ink-repellent film (14) made of flourocarbon resin obtained by subjecting the perfloro carbon to plasma polymerization on the surface of the head member (15) to perform the ink-repellent treatment.